

ICT teachers Training Programme

Organized By: DAV (Centre of Academic Excellence)

Presented By:

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SESSION 1

CLASS - III

CHAPTER 1

“GETTING STARTED”

Presented By:

**Smritee Ray, D.A.V. Public School, Vasant Kunj
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Learning Outcomes



After the completion of this Session students will be able to:

- ▣ Identify computer and its parts**
- ▣ Learn how to open and shut down a computer**
- ▣ Appreciate the uses of computer.**

Activity-1

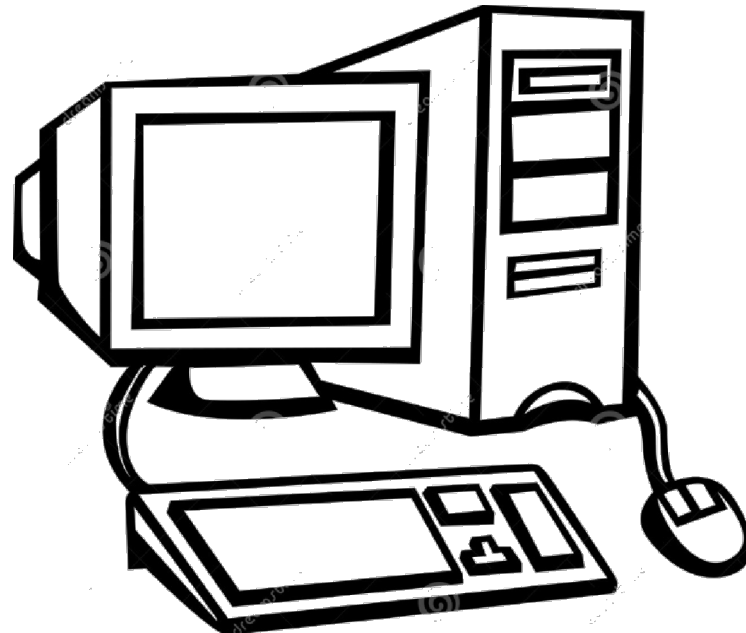
Join the dots below to find out what Dobo's father gifted him"



Activity-1

Can you name the gift? If you guessed it correctly write the name in the space provided:

Dobo's father gifted him a



Term introduced: **Computer**



A

Computer

is an

electronic machine

**which takes a question,
processes it and gives us a
meaningful answer.**

Activity 1:

Dobo wondered what else a computer can do. Help him to find out some other uses of computer by listing them in the space provided using the words given in the help box.

games

movies

songs

information

draw

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Dobo wondered what else a computer can do. Help him to find out some other uses of computer by listing them in the space provided using the words given in the help box.

games

movies

songs

information

draw

1. A computer can be used to play games.
2. We can listen to songs on computer.
3. We search for information on the computer.
4. We can watch movies on the computer.
5. We can also draw pictures on computer.

Parts of computer



**Just like
you,
Computer
also has
different
parts.**

Keyboard



I use hands to write, hold things and to place food in my mouth.

Similarly, Keyboard is used to:

❖ **type numbers and letters.**

❖ **Give instructions and commands to the computer**





This screen is called a **Monitor**

Activity



Name the device that resembles the computer monitor.

(clue: you usually find this device in your home)

Television

Features of Monitor



A monitor has following features:

- ☐ **It displays whatever we type.**
- ☐ **It has an On/Off button.**
- ☐ **It is also known as Visual Display Unit (VDU).**
- ☐ **A monitor looks like a TV screen.**

Activity



Read the questions given below and put a tick mark at the option (answer) which you feel is correct.

❑ **Do you remember the names of all the students of your school?**

YES

NO

❑ **Can you recall phone number of all the students of your class?**

YES

NO

❑ **Do you remember the multiplication tables till 100?**

YES

NO

Remember



**We can not remember the above
mentioned things, but**

Computer

can

remember

all the above.

Can you answer.....



Q. Which part of your body helps you to remember everything?

Answer:

I remember everything using my

Brain

Remember



Do you know,

Computer

also has a

brain

called

CPU

Remember



CPU
is the
brain
of a
Computer
which helps it to remember
everything.

Remember



CPU

**helps a computer to
process and
perform various operations.
and
store**

Data and information.

Remember



CPU

has 2 buttons-

ON/OFF button

Restart button.

and

store

Data and information.

Can you answer.....



**What is this
tiny little
thing with a
long tail.**

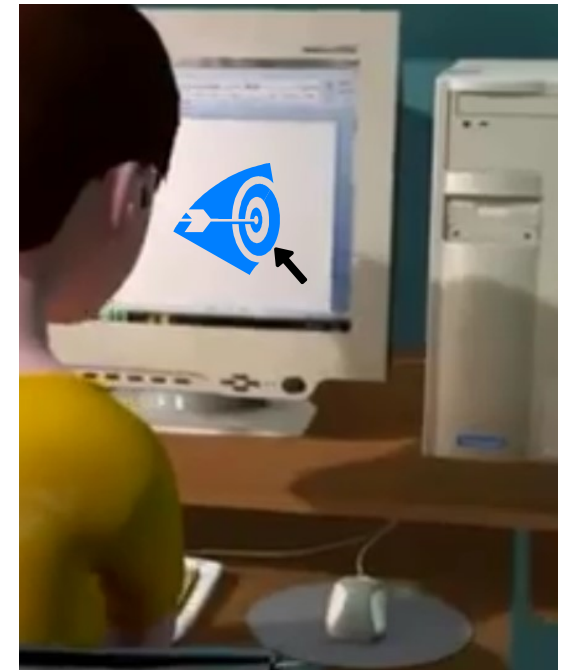
Answer:
This is called a
Mouse

Can you answer.....



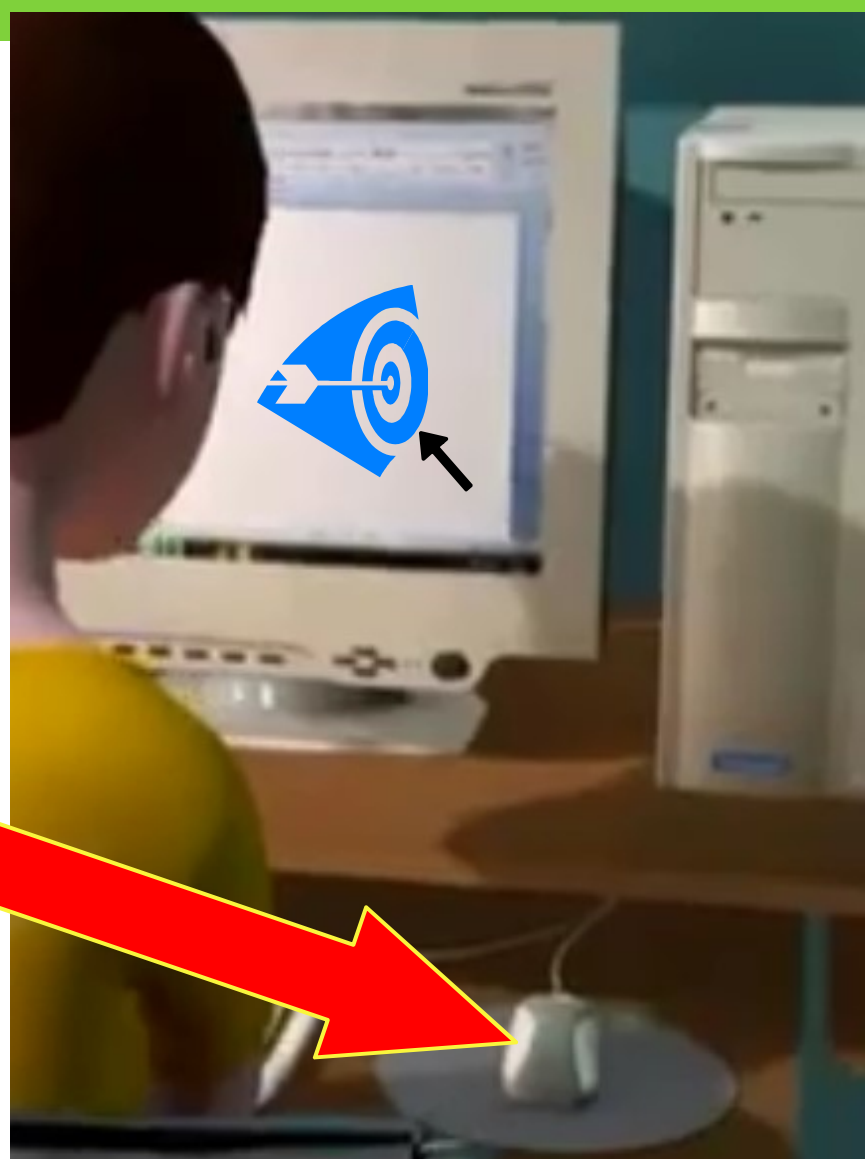
We use finger to point things.

Computer uses mouse to point things



Remember

Mouse
is also known
as a
pointing device.



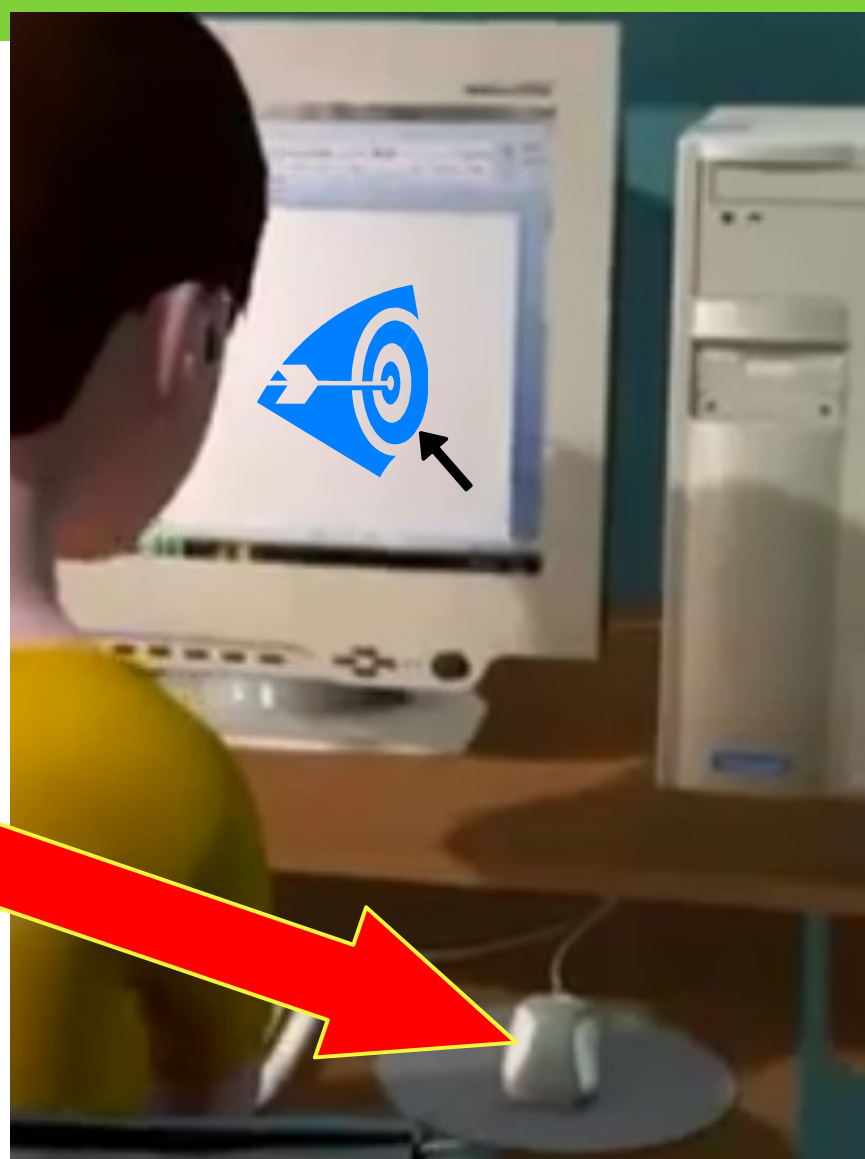
Do you know



**We should not
point at others
as
It is a
bad habit.**

Remember

**In order to
work with speed,
a pointing device
is essential.**



Remember



A mouse is

- ❑ **easy to use.**
- ❑ **increases speed and makes selection easier.**
- ❑ **it reduces the task of remembering as well as typing the commands.**

Remember

Each mouse button has its own function:-

Left mouse button

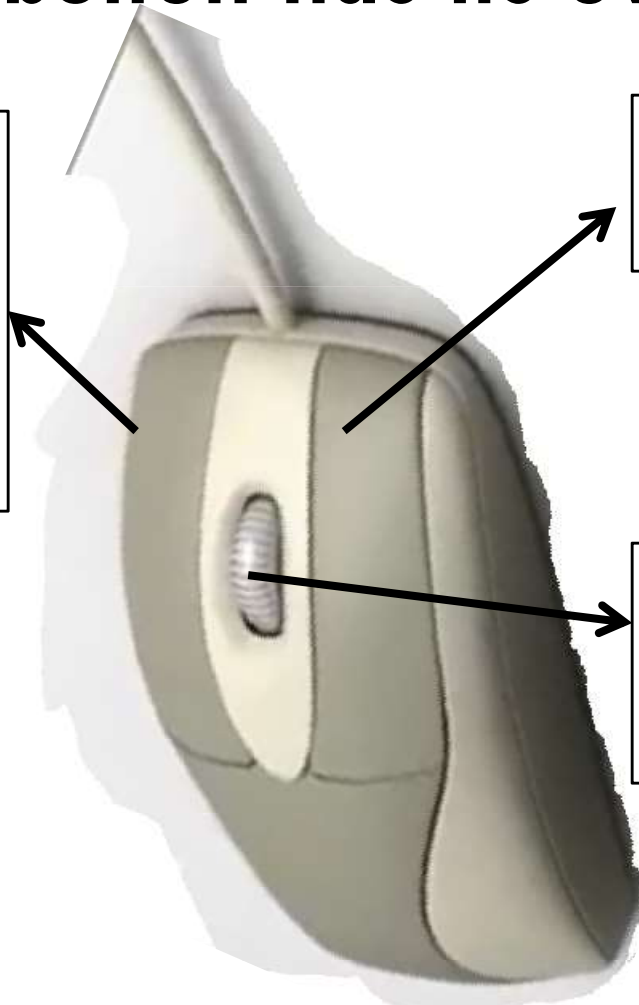
Single click: To select
Double click: to open
Click and drag: to draw

Right mouse button

To open a special menu

Scroll button

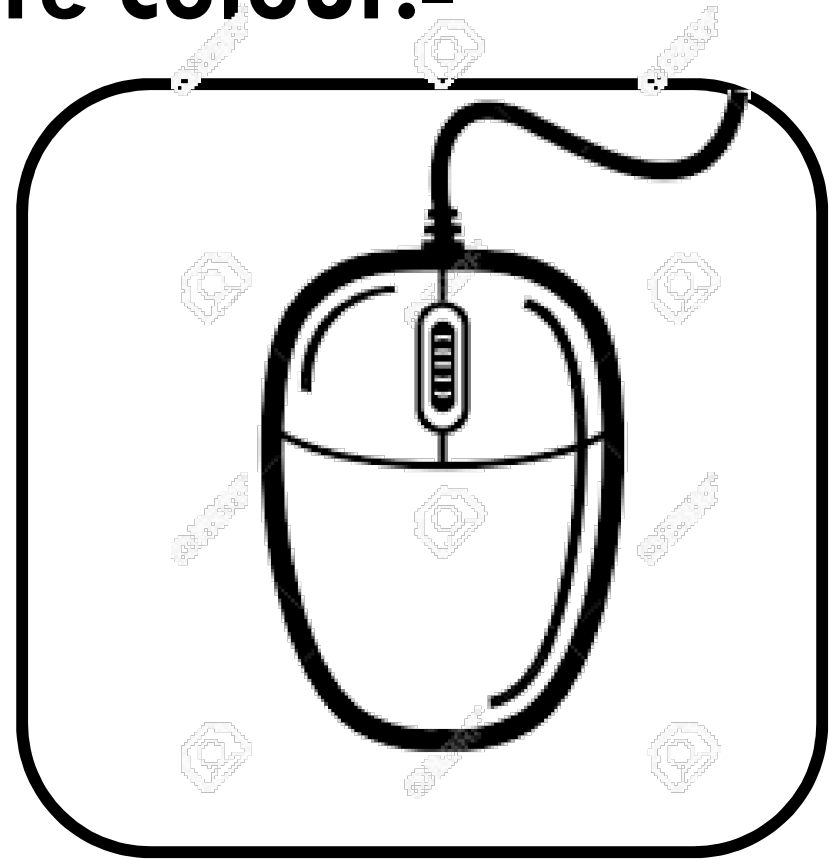
To move the page up and down



Activity

In the picture given here colour:-

the left mouse button RED.
the right mouse button BLUE.
the scroll button YELLOW.
the body of mouse PINK.
The mouse pad GREY.



Activity on Page number 7 in the book

Hands On

1. In the computer lab observe the CPU, Monitor and Keyboard.
2. Count the number of computer systems available in your lab and write the number of CPU, Monitor, Keyboard and Mouse in the space provided.

My lab has _____ number of CPU and Monitors.

We have _____ number of Keyboards and Mouse.

3. Do you find all computers connected to power supply.
Yes/No

LET US PLAY:-

Activity on Page number 8 in the book

Complete the crossword puzzle using the hints given below:-

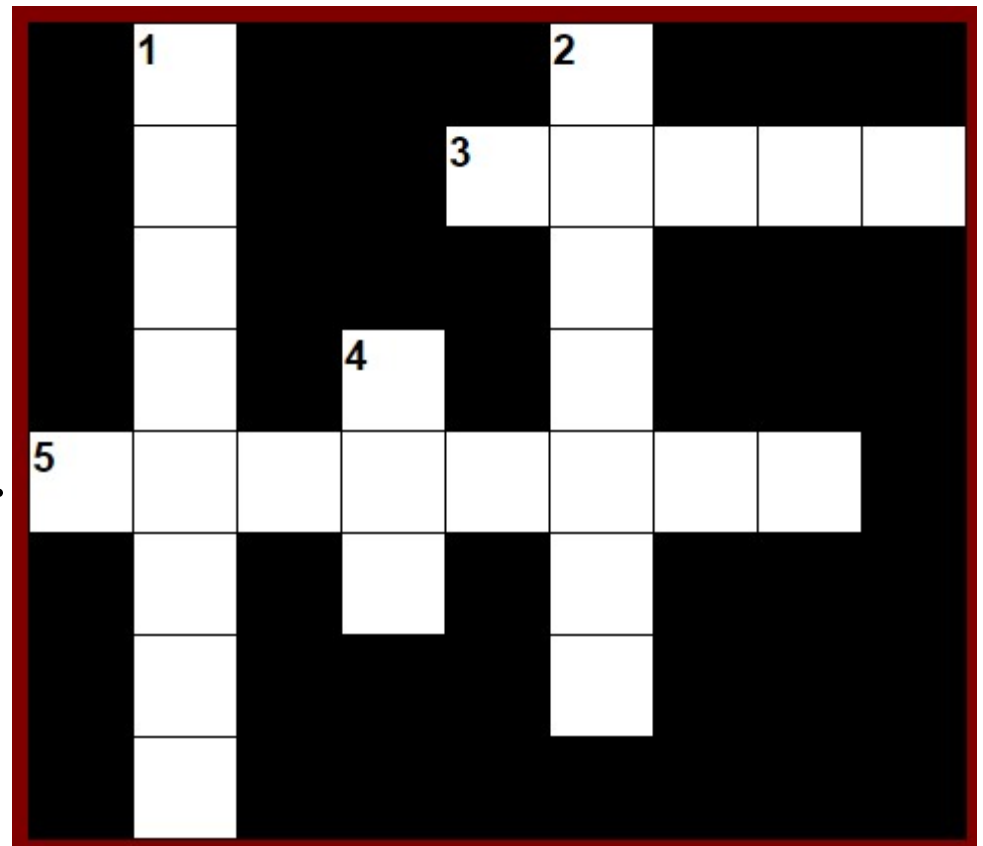
ACROSS

1. I am an electronic device.
2. I am a pointing device.

DOWN

1. You can type using me.
2. I am the brain of a computer.
3. I look like a TV Screen.

Crossword can be used to do the
Same activity on computer.
Filename is "3.htm"



Activity

Show the video of “Fire in the Mountain” game to explain how they are going to play the game. [Click here to play the video](#)

Wear your headgear



Demonstration

1. Switch on the UPS or the main power switch.
2. Press the ON/OFF button on the CPU.
3. Press the ON/OFF button on the monitor.

Each mouse button has its own function:-

Activity



In the picture given here colour:-

the left mouse button RED.

the right mouse button BLUE.

the scroll button YELLOW.

the body of mouse PINK.

The mouse pad GREY.

Activity



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The mouse pad GREY.

Activity-1

Machine Name	Needs
Television	For entertainment and information
Washing Machine	For washing clothes
Mixer and Grinder	For mixing and grinding
Microwave	For cooking food
Car/scooter/bike	For moving one place to other
CD/DVD Player	To play CDs/DVDs
Inverter	For getting battery backup
Mobile phones	For communication
Computer	For communication, learning, entertainment, budgeting etc.



1st Grade (1학년)

What you achieved....



A Smiley For You

OR



Be more attentive.....

Concept : Information processing



We
Listen
to instructions,
think
and
take appropriate action

Activity-2 Riddle Game

Solve the given riddles:

Riddle	Answer
I am your paternal grandparents' only son. I am your.....?	Father
A magician and a boy were fishing. The boy was the magician's son, but the magician was not the boy's father. Who was the magician?	Mother

Activity-2 Riddle Game



Steps of you followed to solve the riddles:

Step-1	Read/Listen the riddle.
Step-2	Process the gathered information.
Step-3	Write/tell the answer.

Information Processing in Humans



Steps to solve a problem:

Step-1	Take clues.
Step-2	Think
Step-3	Decide
Step-4	Tell/Write the answer

Remember

The
values
On which
the commands
are to be performed
are called
Data.



Remember



The
values
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Data.

IPO Model of Problem Solving



IPO Model of Problem Solving



INPUT



Data and instructions given to computer form the input.

PROCESS




The work performed on data on the basis of given instructions is called Process.

OUTPUT

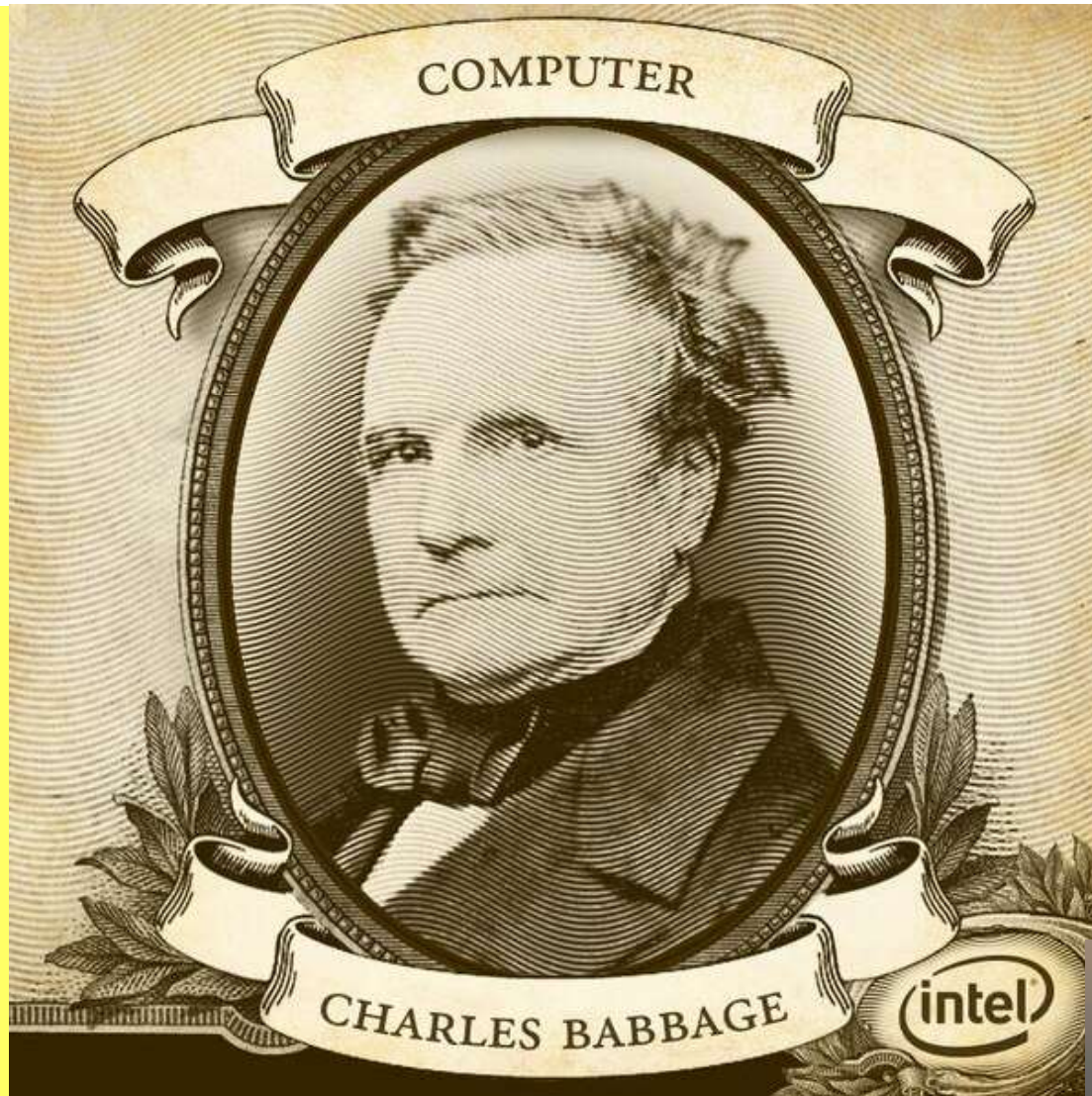


The result given by the computer is called output.



The way
humans have brain
Computers have CPU
to process the data.

Do you know?



Charles Babbage (1791-1871)
The Father of Computers

Do you know?



ENIAC

The first electronic computer

ENIAC weighed more than 27 tons and took up 1800 square feet, was about the size of a room.

 University of Twente

Activity-13



Activity-4

Write the input, process and output for any three machines that you can find around you under the correct column

Machine Name	INPUT	PROCESS	OUTPUT
Typing numbers			
Arranging numbers in ascending order			
Print a picture			
Playing a song			
Copying a drawing from pen drive to computer			

Input and Output devices

Watch the video carefully:



Input and Output Devices

The hardware devices

Compiled by **Kyd Tantano Masong**

Activity-4

In order to perform the following task what will be the Input, Process and Output for the computer?

ACTION	INPUT	PROCESS	OUTPUT
Typing numbers	Numbers	Typing	Typed information
Arranging numbers in ascending order	Numbers	Sorting	Numbers arranged in ascending order
Print a picture	Picture	Printing	Printed picture on paper
Playing a song	Song	Playing the audio	Audio output of song
Copying a drawing from pen drive to computer	Drawing in pen drive	Copying	Drawing in computer

Input devices



**are the parts of computer
which are used to
give
data and instructions
To computer.**

KEYBOARD



- It is an essential part of the computer.
- We need it to type words, numbers and instructions.
- A standard keyboard has 104 keys.
- There are different types of keys on the keyboard.

Do you know?



ENIAC

The first electronic computer

ENIAC weighed more than 27 tons and took up 1800 square feet, was about the size of a room.

Do you know?



**Keyboard can contains many
Germs.**



**So, you must keep your
keyboard
Clean.**



**Never eat food near the
computer**

The **KEYBOARD MONUMENT**, “**Pamyatnik Klaviature**”



The KEYBOARD MONUMENT, “Pamyatnik Klaviature” is made of stone, with grass growing between the keys. Local people make wishes by jumping from key to key. When they want to reset their lives, they jump CTRL, ALT, DEL.

Activity: 5

1. Write the name of the input device that you use with your Smartphone.



2. Check your cellphone and find out the sequence of keys – Is it QWERTY?



What will you do, if...



Q. What will you do if the keyboard is not working?

If keyboard is not working,

I will use the Virtual or onscreen keyboard.



What will you do, if...



Q. What will you do if the keyboard is not working?

Hands on

Use the Virtual or onscreen keyboard and type your name using the same.

Click Start button → Accessories → Ease of Access → Onscreen Keyboard



What will you do, if...



Q. What will you do if the mouse is not working?

Activity: 6

Use your imagination and list the things (tasks), which you think you cannot do if there is no mouse attached to your desktop or if mouse is not working

Input device- Mouse

Mouse is a

Pointing device.

With the help of mouse

We can give

data and instruction

to computer.



Input device- Mouse

These days

Wireless mouse

is also used.



How do you know

Q. How do you recognize that a mouse is an optical mouse?



Optical Mouse

A

Red light

at the bottom of

Mouse

indicates that the

Mouse

Is an

Optical mouse.



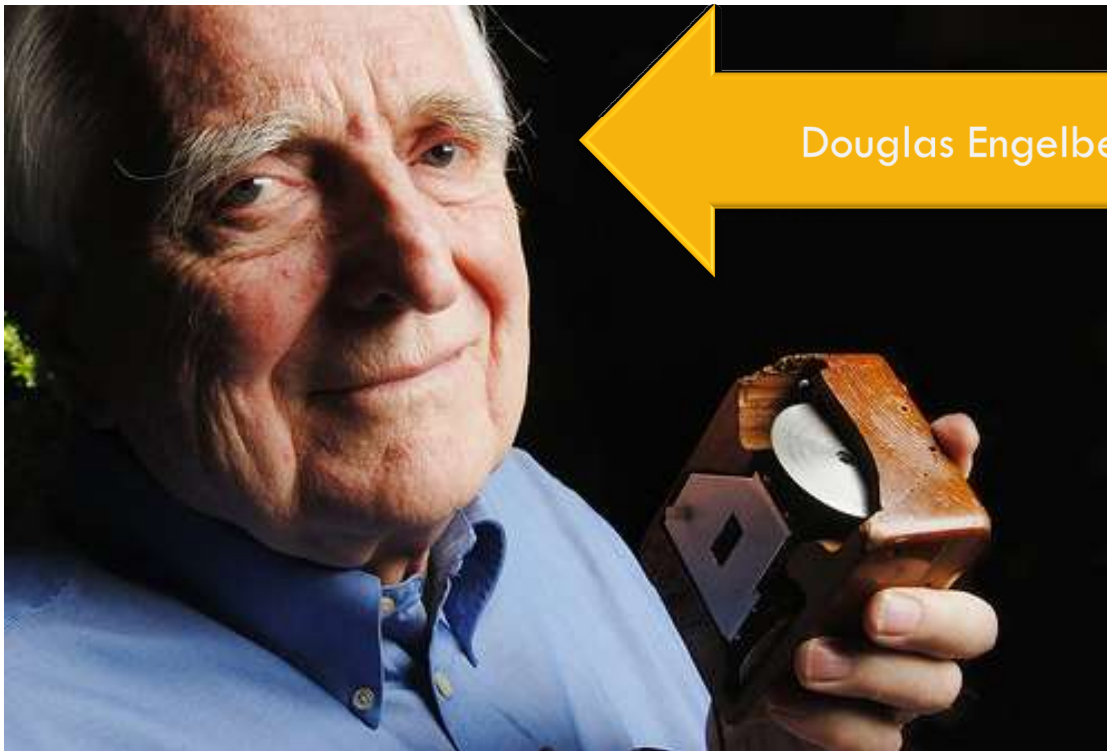
Do you know....?

Q. Do you know who invented the first mouse?



Answer

Q. Do you know who invented the first mouse?



Douglas Engelbart invented the first mouse

Output devices



**are the parts of computer
which are used to**

**Display
the result of processing.**

KEYBOARD



- It is an essential part of the computer.
- We need it to type words, numbers and instructions.
- A standard keyboard has 104 keys.
- There are different types of keys on the keyboard.

Activity: 7



1. Ask our parents about the type of monitor they have used when they were students

2. Find out the other frequently used name for monitor.

Do you know?



With

3-D Printer

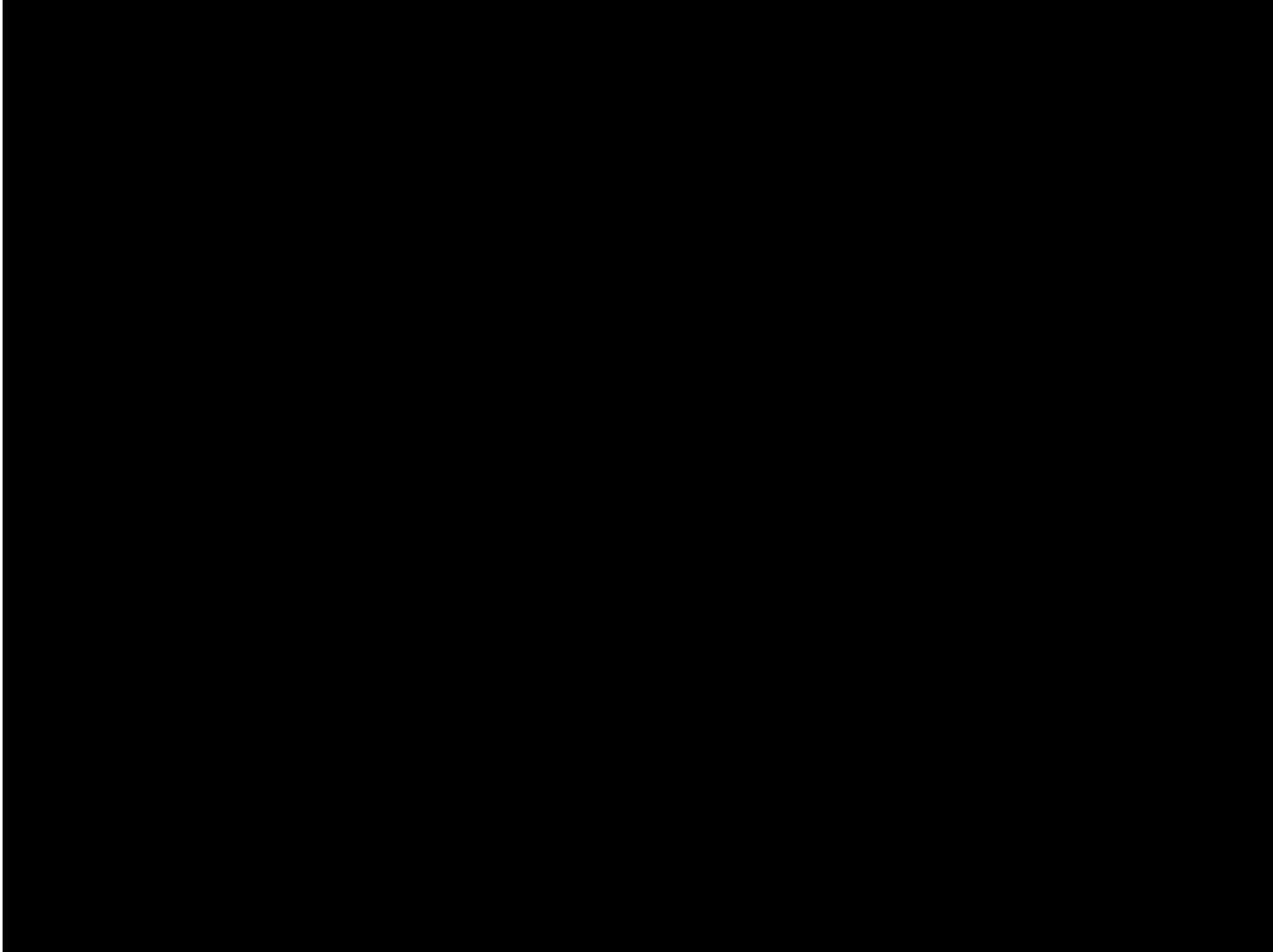
it is possible to

Create

Models

**Of any kind of object, toys and even
organs too.**

3D Printers



Input and Output devices



Try online quizzes on input output devices

[http://k8schoollessons.com/computer-input-and-output-devices-quiz-1 /](http://k8schoollessons.com/computer-input-and-output-devices-quiz-1/)

<http://www.proprofs.com/flashcards/quizshow.php?title=input-or-output-device-test>